

Pomes, Michael

From: William_Milliard@us.crawco.com
Sent: Wednesday, December 07, 2016 3:26 PM
To: Robert Trump
Cc: Anita Ketola; Chris VanMeerhaeghe; Chris Kinn; Drouare, Douglas; Kelly Cratsenburg; Kyle Minden; Kyle Minden; robwandrew@mac-const.com; Sac & Fox Truck Stop
Subject: RE: Powhattan Schedule

Categories: EZ Record - Shared

Robert Trump & Robert Andrew,

Sounds good to me and I assume Kyle Minden, so will be there on the 12th. Who can Kyle or I call Monday in case we have a question about coming out?

Regards,

Bill

<p>William E. Milliard, AIC National General Adjuster Global Technical Services Crawford & Company 10881 Lowell Ave., Ste. 130 Overland Park KS 66210 phone: 913-522-6216 fax: 847-517-9380 cell: 913.522.6216 email: William_Milliard@us.crawco.com web: www.crawfordgts.com</p>
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From: Robert Trump <rtrump@totalpetroleumservices.com>
To: robwandrew@mac-const.com, "Sac & Fox Truck Stop" <sacfoxtsmgr@jbntelco.com>
Cc: Chris Kinn <ckinn@terranext.net>, Chris VanMeerhaeghe <chris@rwtcompany.com>, drouare.douglas@epa.gov, Anita Ketola <Anita.Ketola@anteagroup.com>, Kelly Cratsenburg <Kelly.Cratsenburg@anteagroup.com>, William E. Milliard/CRAWFORDCO/US@CRAWFORDCO, Kyle Minden <kminden@edtkc.com>, Kyle Minden <ktminden@edtengineers.com>
Date: 12/07/2016 02:53 PM
Subject: RE: Powhattan Schedule

Hi all,

Ok. This helps with our planning and I will make additional adjustments in our work plan and cost estimate to factor in the colder weather week of the 12th. My soil sampler is out of town the week of the 18th so we are going to have to make it work the week of the 12th.

Robert, I will have to bring in a truck with heated valves and I don't want to pay out the Sunday rates for that truck. This means that we will start water removal on Monday the 12th so draw down will take some time during the day. Also, please be prepared for possible expansion of excavation outside the current boundaries of the two tanks. This will depend greatly upon the PID results as we move along. If those results show additional excavation is needed with concrete saw cutting, then this could extend the time needed to get the balance of the back fill/soils removed.

Do you have a current drawing/layout of utilities for the site and can you send it to me? I remember we ran into conduit over the tank running North to the building and there are product lines running West, NW, from the tanks to the dispensers. This will limit our expansion if the PID results warrant it to a NE/East direction. Anything further to the South will run into the existing tank which I believe will remain on site.

I spoke to Waste Management regarding the disposal of back fill/soils and they anticipate receiving an approval from the State for disposal at Rolling Meadows tomorrow. I will have manifests for your dump truck drivers next week for the haul to and from Rolling Meadows.

Thank you and let me know if you need anything further from me.

Regards,

Robert L. Trump

From: robwandrew@mac-const.com [mailto:robwandrew@mac-const.com]

Sent: Wednesday, December 07, 2016 2:21 PM

To: Robert Trump <rtrump@totalpetroleumservices.com>; Sac & Fox Truck Stop <sacfoxtsmgr@jbntelco.com>

Cc: Chris Kinn <ckinn@terranext.net>; Chris VanMeerhaeghe <chris@rwtcompany.com>; drouare.douglas@epa.gov; Anita Ketola <Anita.Ketola@anteagroup.com>; Kelly Cratsenburg <Kelly.Cratsenburg@anteagroup.com>; Bill Milliard <William_Milliard@us.crawco.com>; Kyle Minden <kminden@edtkc.com>; Kyle Minden <ktminden@edtengineers.com>

Subject: RE: Powhattan Schedule

See my comments below in **blue**, along with the answers to the two questions you asked me, and acceptance of the 18th. as a revised start date.

Thanks,

Robert W. Andrew C.E. | President

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----- Original Message -----

Subject: Powhattan Schedule

From: Robert Trump <rtrump@totalpetroleumservices.com>

Date: Wed, December 07, 2016 9:16 am

To: "Sac & Fox Truck Stop" <sacfoxtsmgr@jbntelco.com>

Cc: robwandrew@mac-const.com, Chris Kinn <ckinn@terranext.net>, Chris VanMeerhaeghe <chris@rwtcompany.com>, drouare.douglas@epa.gov, Anita Ketola <Anita.Ketola@anteagroup.com>, Kelly Cratsenburg <Kelly.Cratsenburg@anteagroup.com>

Good Morning All,

I have been watching the weather forecast and it has been steadily declining this week. After speaking to Teresa yesterday, I learned that the new tanks won't be installed at this time. However, removing the old tanks is still a pressing objective.

This poses a problem from the perspective of water handling when temperatures are below freezing. I have worked on many projects where we encounter cold temperatures and it is really a challenge and in some instances almost impossible to keep equipment and lines from freezing. We have resorted to putting pumps inside the cabs of trucks with lines running into and out the other side with the heaters on high just to keep a pump from freezing. I can tell you this is not fun and it is not very productive.

We have heaters which we can put in the frac tank and electrically keep the water temperature above freezing. However, we have also had instances where someone unplugged the electrical cords or a heater failed and we had a huge block of ice remaining in a steel tank that took weeks of blowing space heaters inside when outdoor temps were above 32 F to get the liquid out of the tanks. We have to be careful that no free product is in the mix or this becomes a volatility issue with electricity within a hazardous space.

I say all of this so everyone understands that water is a real challenge when temperatures are below freezing. My experience at this site being in an open area with no city buildings surrounding it makes for strong winds and no building cover to provide some increase in temperatures during cold weather.

So.....I don't want to be the fly in the ointment but from what I see we are very limited for the rest of December in the days we have to successfully remove and haul water from this site in conjunction with the tank pull.

Given the fact that new tanks will not be installed at this time I don't believe it necessary to attempt to dispose of any back fill materials or conduct the back fill monitoring to determine what back fill is to be hauled to the landfill. This can limit the volume of water to be handled at this time. Without proper removal of contaminated soil and water it is not recommended we attempt to conduct the soil vapor monitoring until such time as the remaining contaminated back fill and water is removed or can be tested by PID when the new tanks are to be installed. **You have misinterpreted our schedule. I have the tanks tentatively scheduled for delivery on 12-19-2016. Our goal is to remove the existing tanks, immediately excavate and soil farm any soil that needs to be removed, address any other environmental remediation in the immediate area of the tank excavation, prep the tank hole for the new tanks, and set the tanks off of the truck as they are delivered on 12-19-16, anchor the tanks, and backfill to the top of the tanks, tie the piping back together, complete the electrical work, backfill to subgrade, and pour back the paving. I anticipate that we would finish our work within three weeks subject to weather.**

Without the proper removal this will push the Soil Vapor Monitoring out further unless **Doug Drouare, EPA region 7 has other thoughts regarding Soil Vapor Monitoring as requested in an earlier email. We will wait to hear what Mr. Drouare has to say and respond accordingly.**

The primary focus is to get the damaged tank empty enough to allow for the excavator to raise the tank and allow the balance of water in it to run back into the pit. Once this pit is open any pooled water will prevent us from conducting the proper examination of the back fill from an environmental standpoint and it will most likely freeze over due to low temperatures.

Robert Andrew: How much water needs to be removed from the existing damaged tank (which is full at this time) to allow the excavator to hook and pull the tank up allowing any remaining water to fall back into the pit? With the large hole in the bottom of the tank, we can lift it, and let it drain, and unload, as we are removing the tank. I don't believe it will be a problem for the damaged tank. The second tank will be

buoyant and we will be able to lift it out of the tank hole, after we pump the water in the tank into the tank hole or frack tank, so it shouldn't be a problem either.

How much time is necessary to allow the excavator to open up everything around the tank so if water weight is sufficiently removed he can get the tank up? I would say it would take approximately 4-5 hours to cut the additional paving, break out the concrete, uncover the tanks, cut the hold down straps, and be ready to lift the tank out of the ground.

Given the attached forecast it would appear we have a day this Saturday but next week is very cold.

It appears the following week Sunday through Wednesday would be the best for handling waters.

Can I get feedback from everyone and can we agree to pushing this to the week of the 18th? **The 18th. is okay for my schedule, subject to the approval of the owners.** Understanding things have a way of changing here in the Midwest and quite rapidly.

Thanks,

Total Petroleum Services LLC

Robert L. Trump
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